



FIG. 33 PRIOR ART

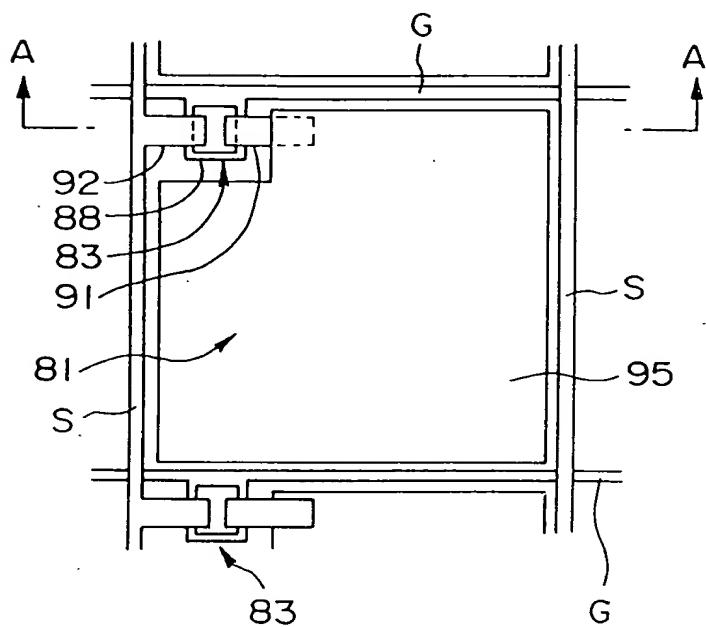


FIG. 34 PRIOR ART

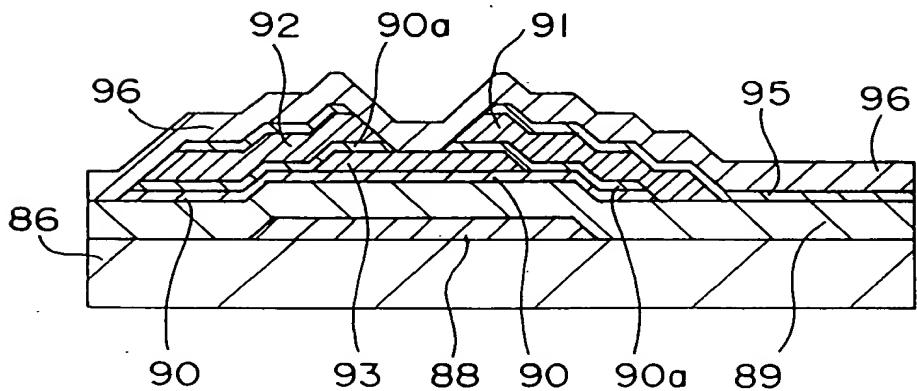




FIG. 32

Glass/SiO<sub>2</sub>300nm/Ti50nm/Ti/Cu150nm  
CL : 200W 2min 1.5Pa 600ccm  
Cu : DC2kW+40M N0/ Bias200W 2Pa RT  
H<sub>2</sub>/N<sub>2</sub> Anneal 2H

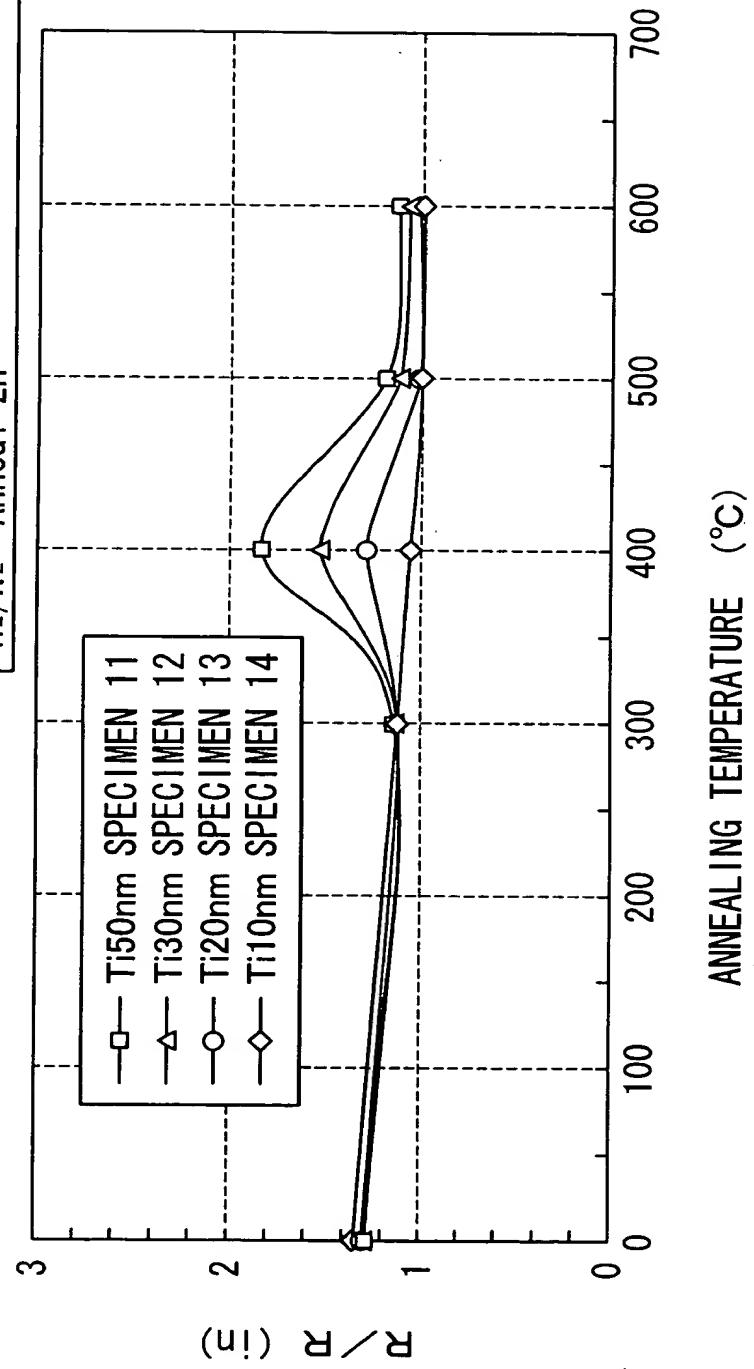




FIG. 31

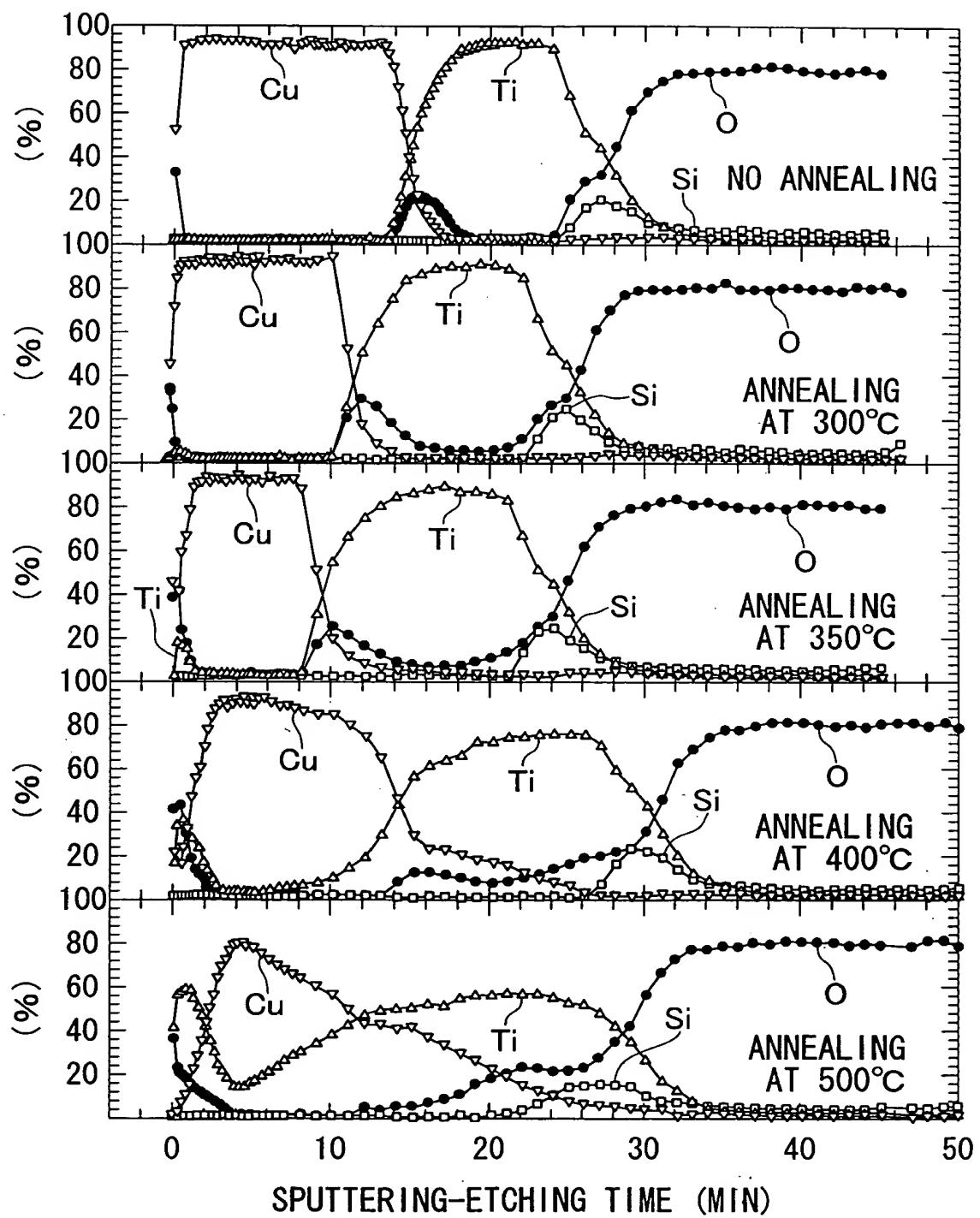




FIG. 30

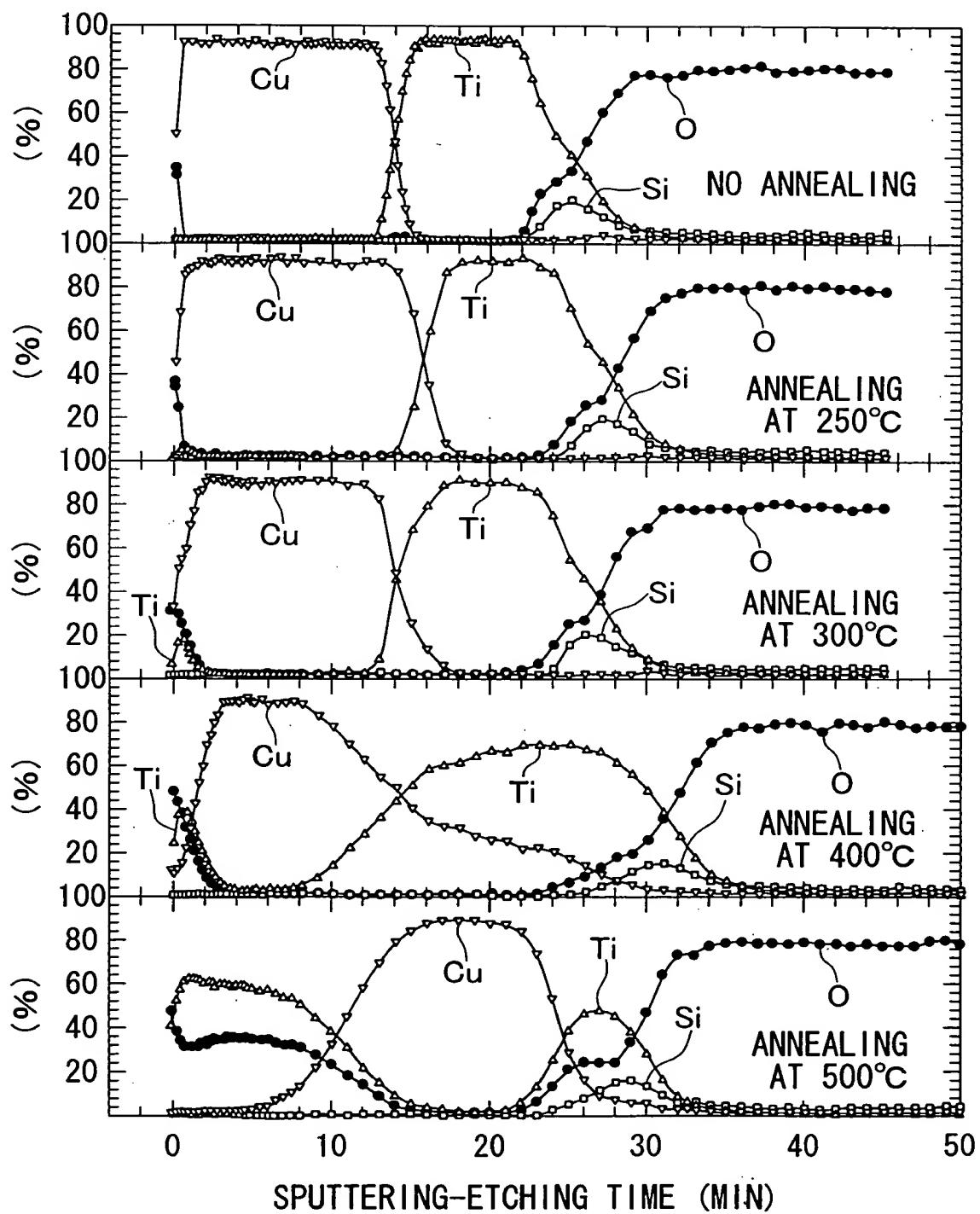




FIG. 29

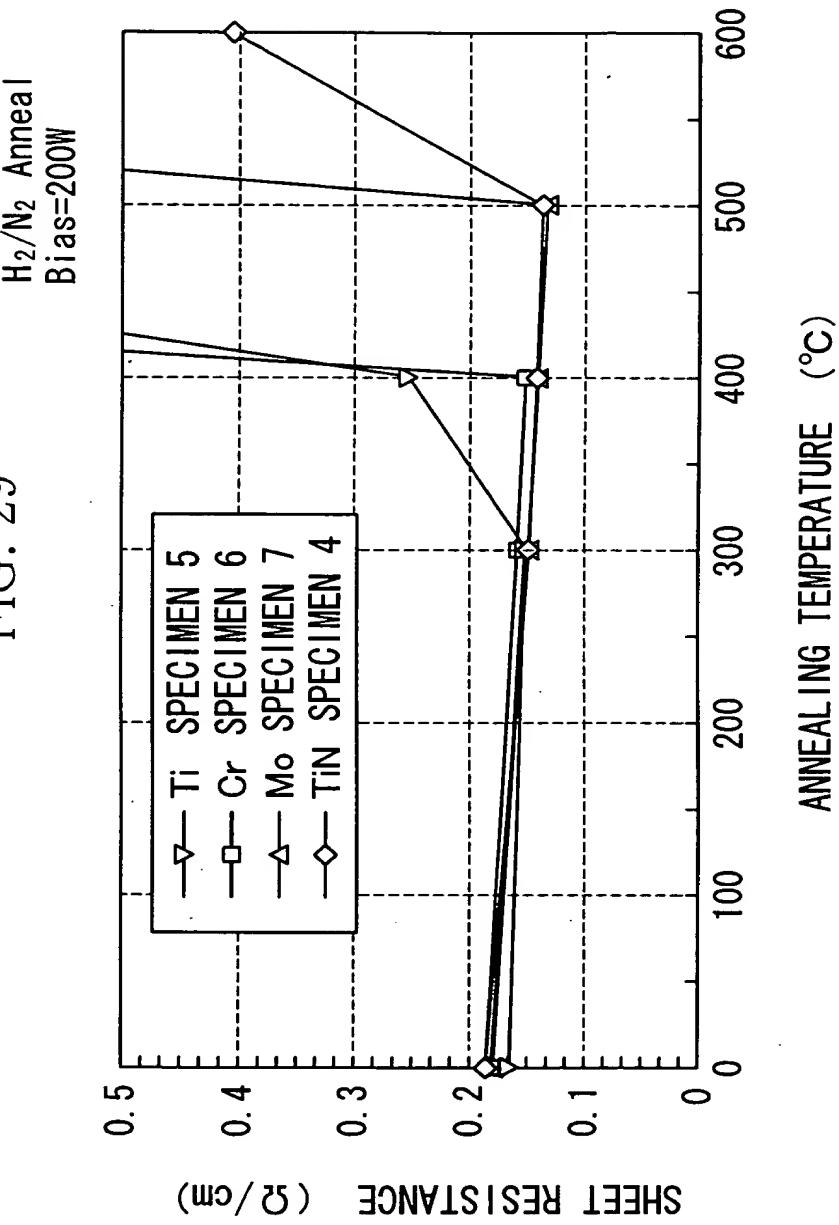




FIG. 28

$H_2/N_2$  Anneal  $\times 2\text{hrs}$   
Cu150nm Bias=200W

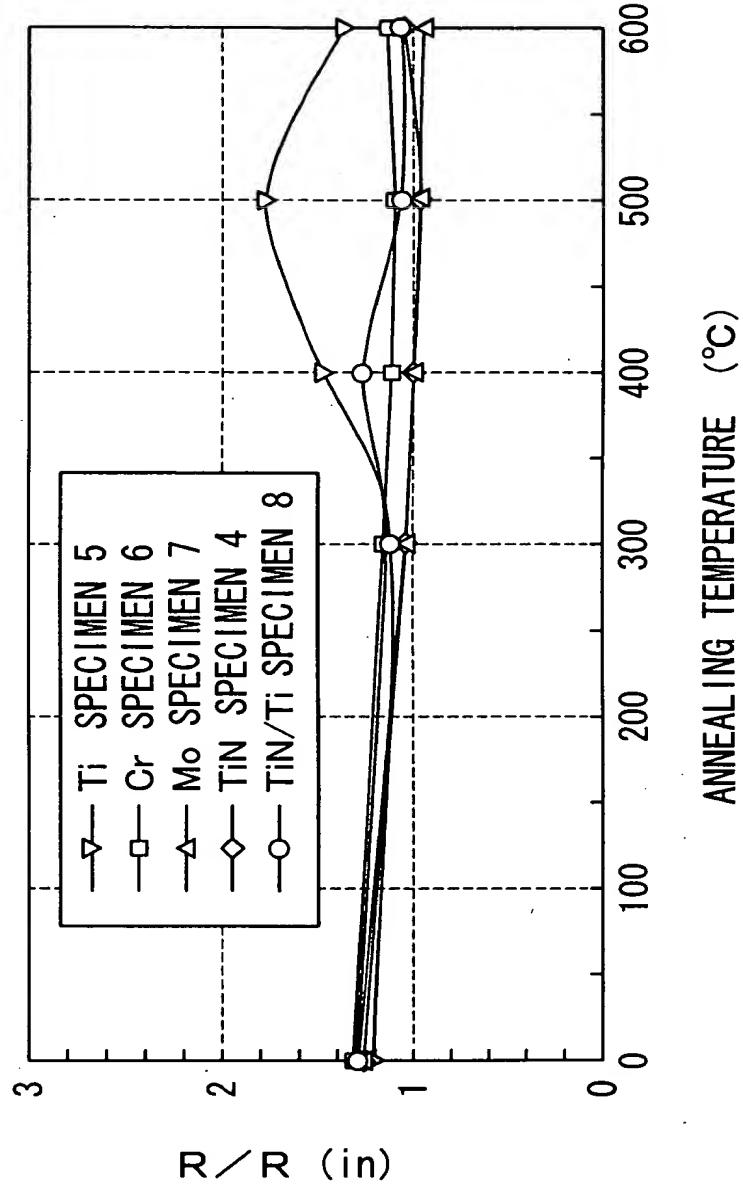




FIG. 27

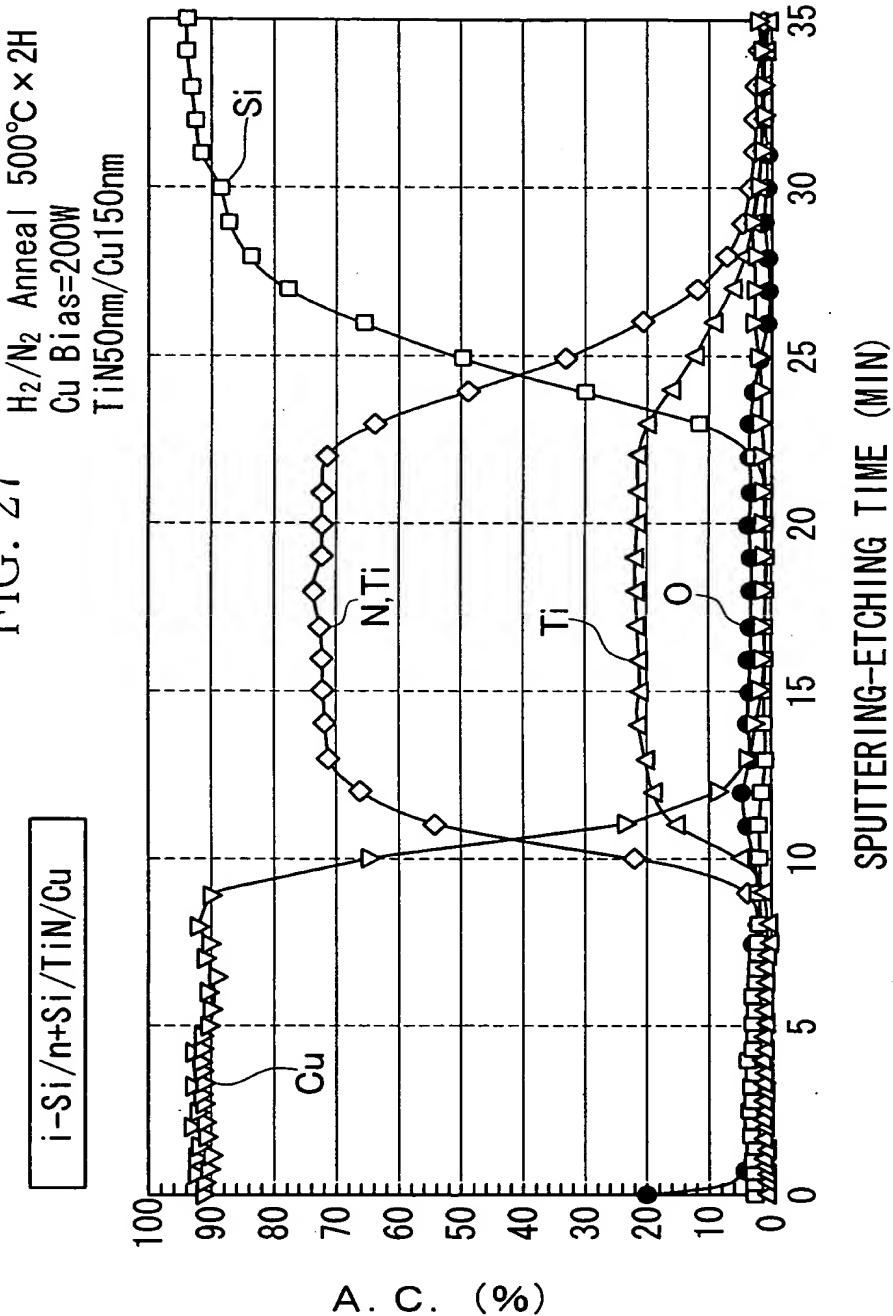




FIG. 26

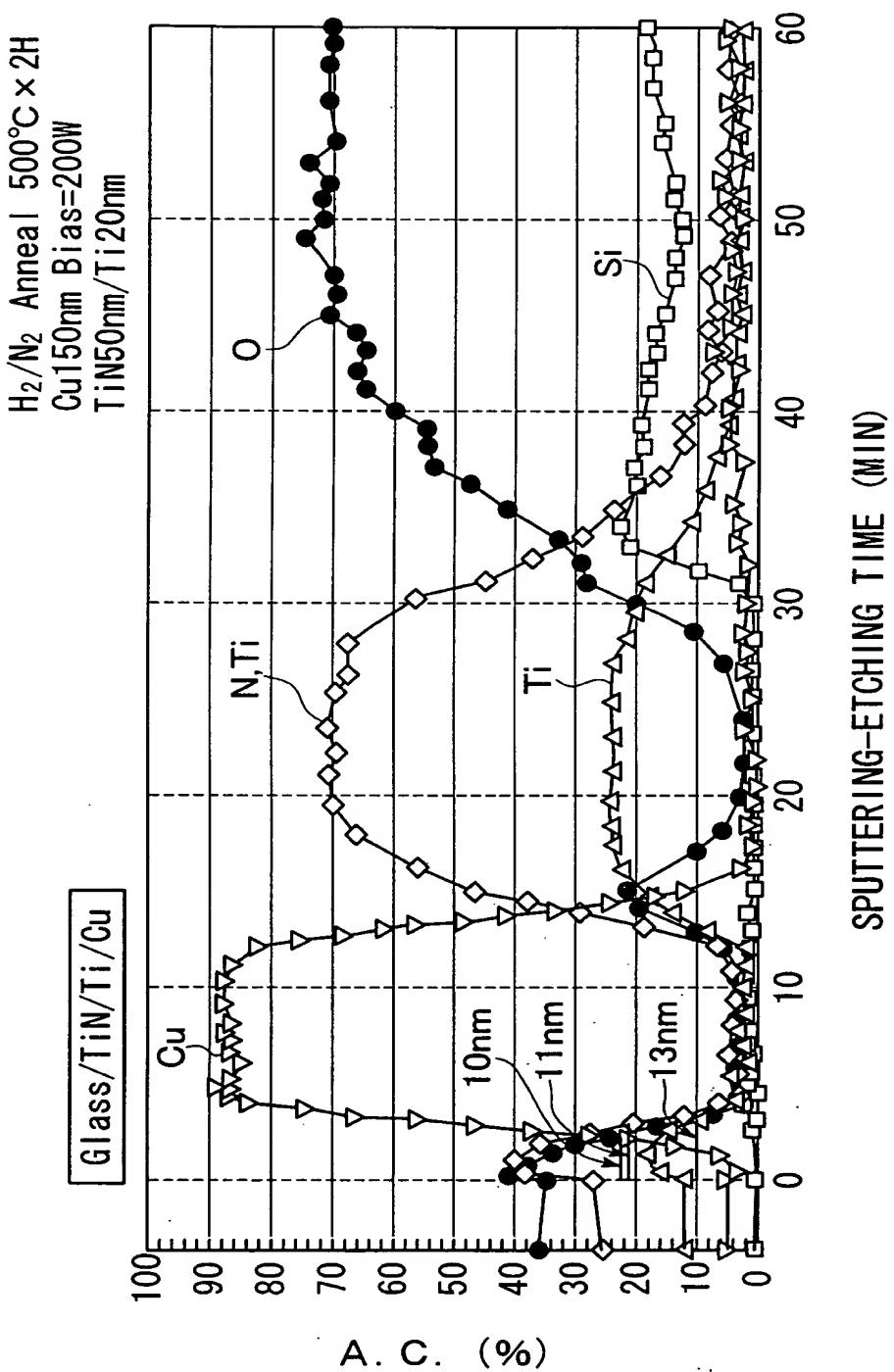




FIG. 25

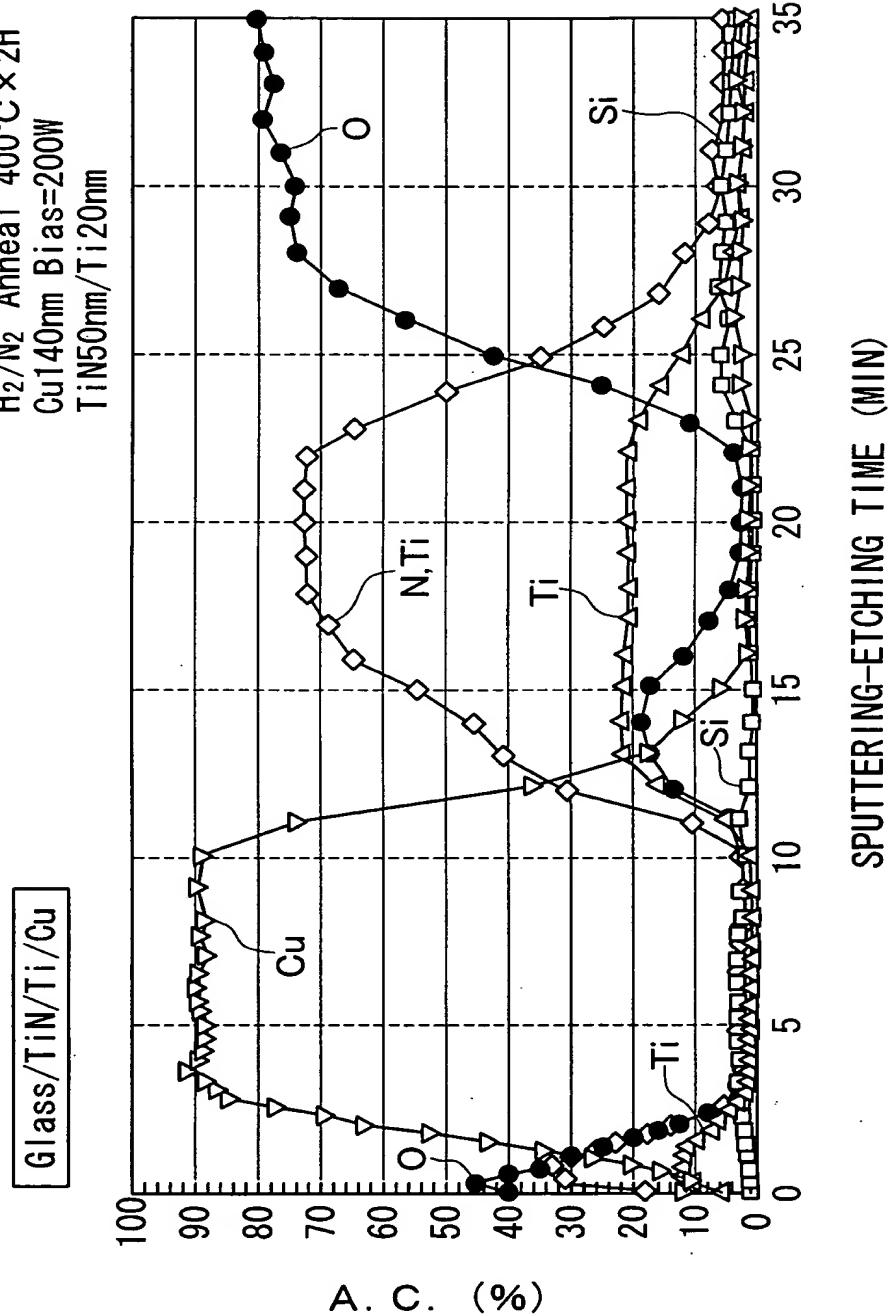




FIG. 24

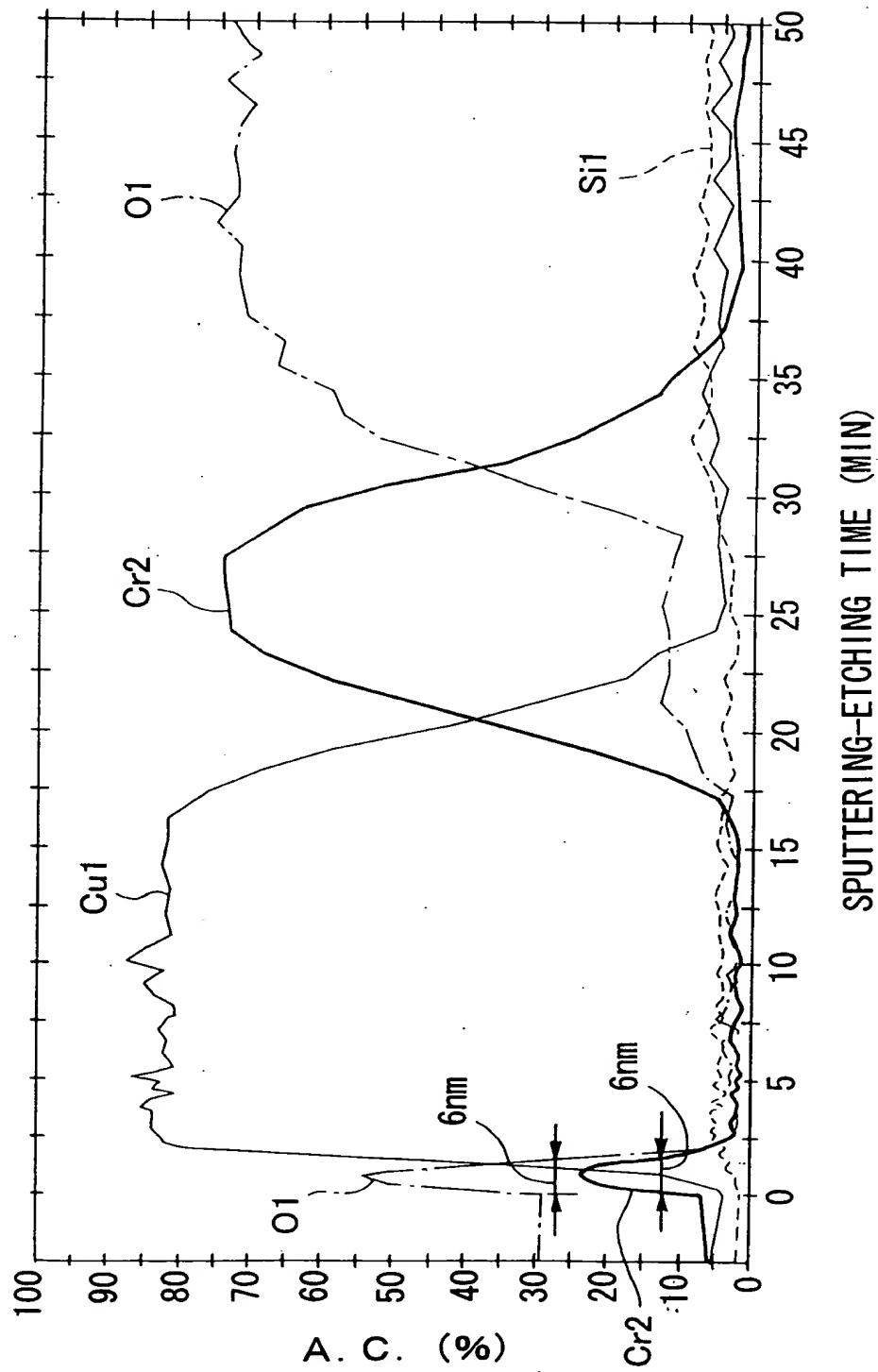




FIG. 23

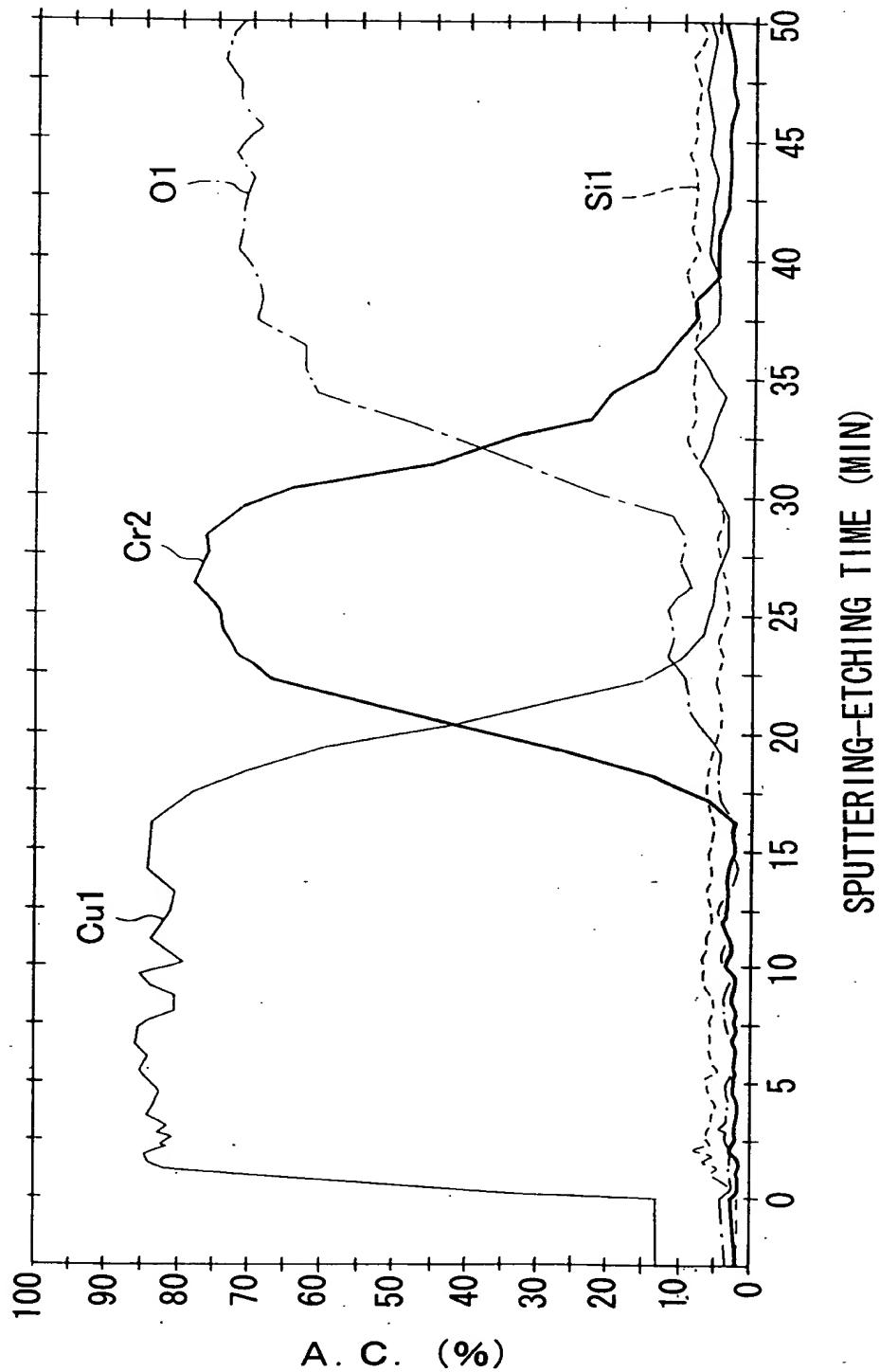




FIG. 22

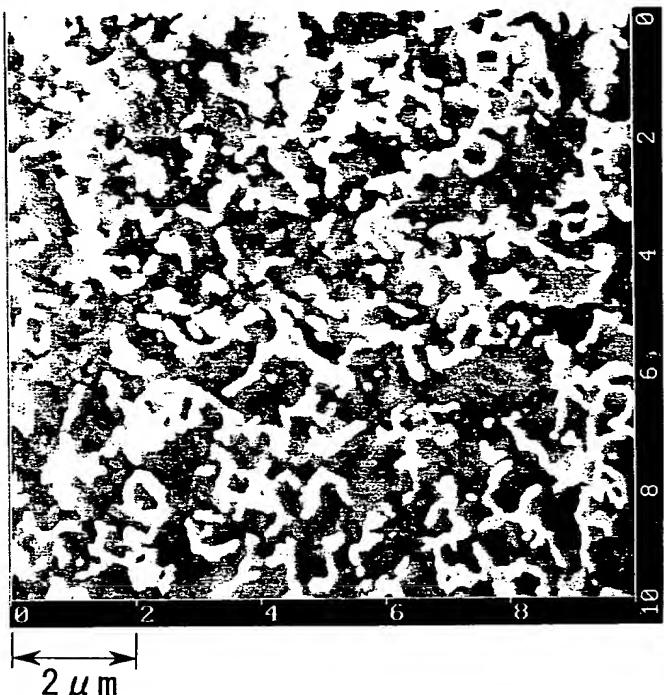




FIG. 20

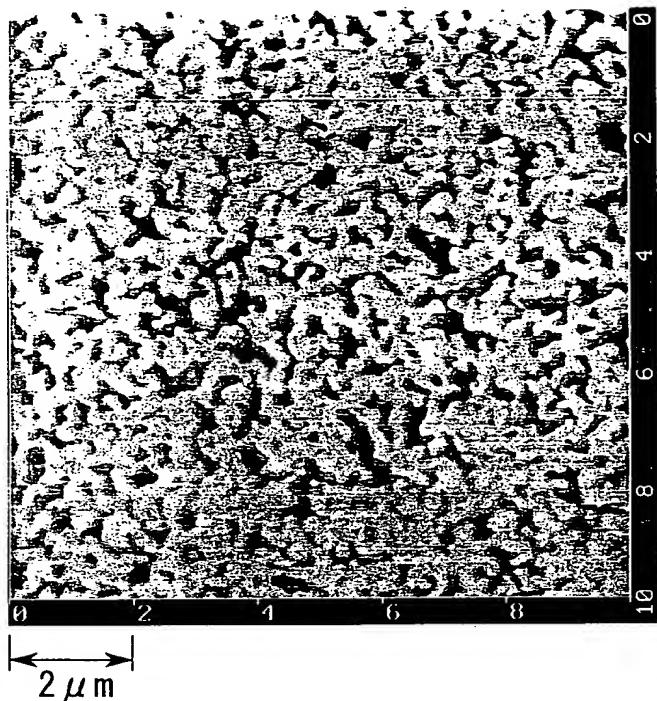


FIG. 21

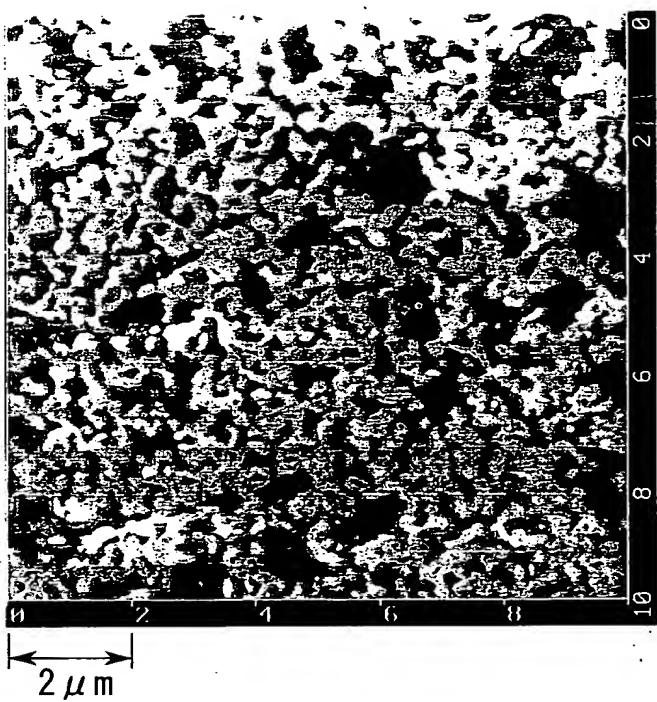
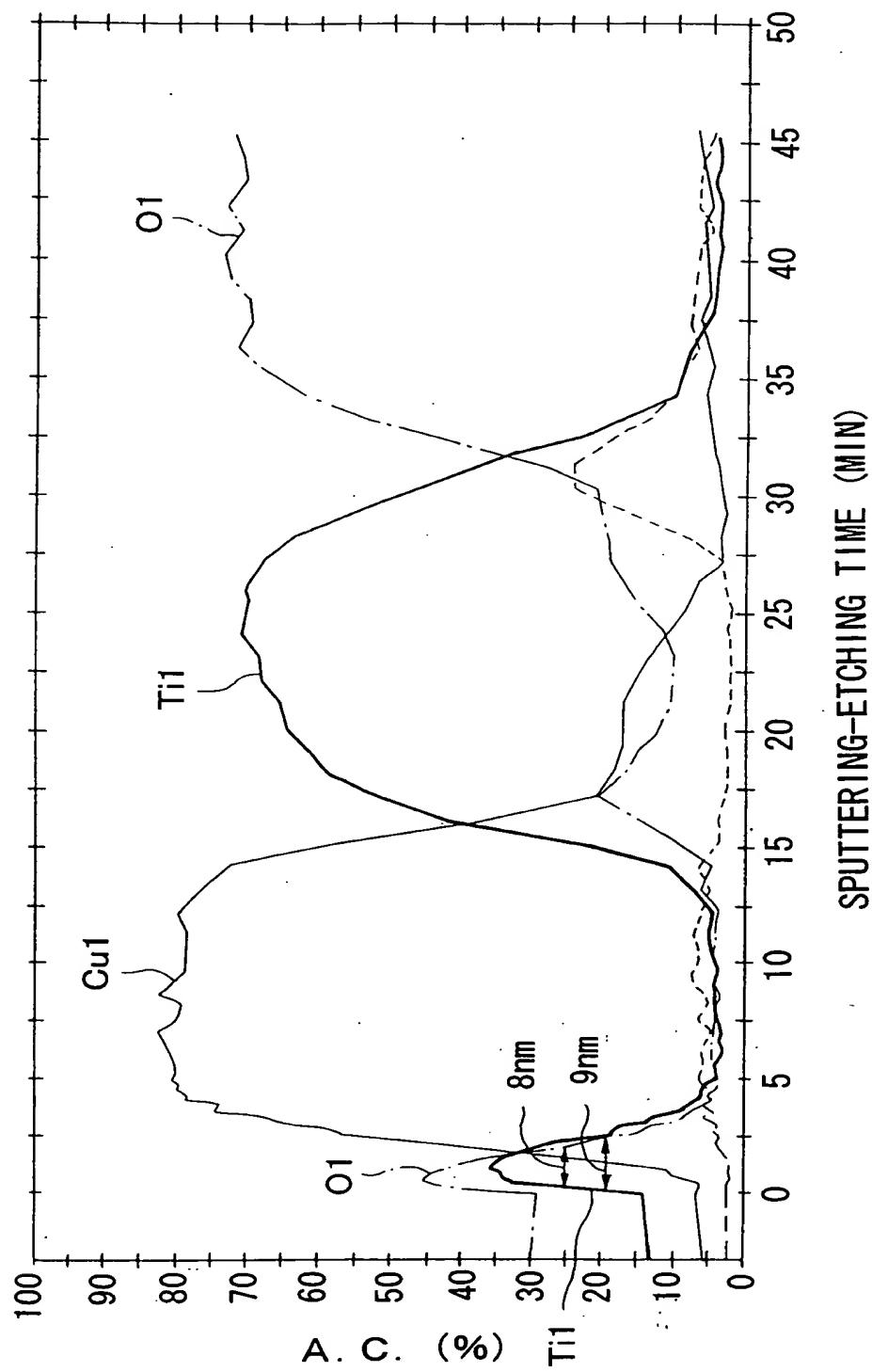




FIG. 19



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FIG. 18

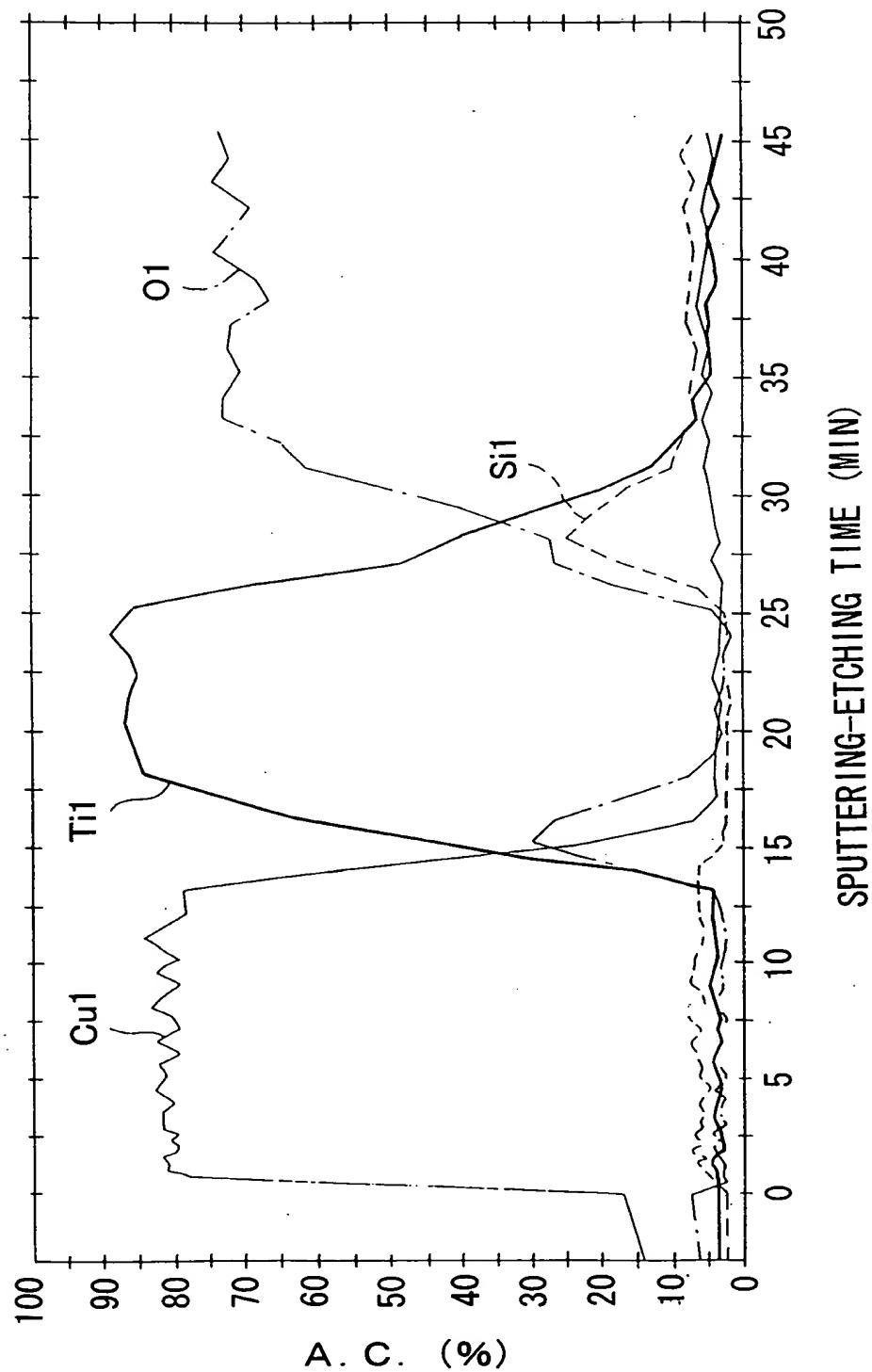




FIG. 17

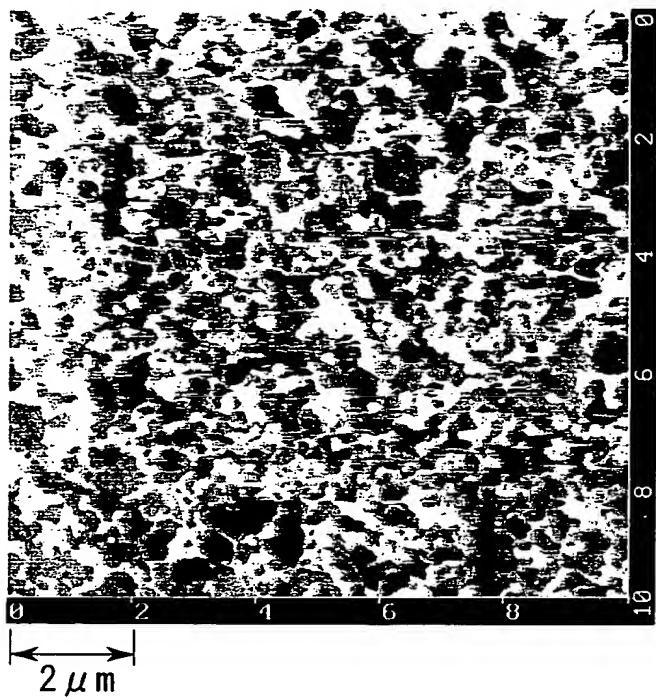




FIG. 15

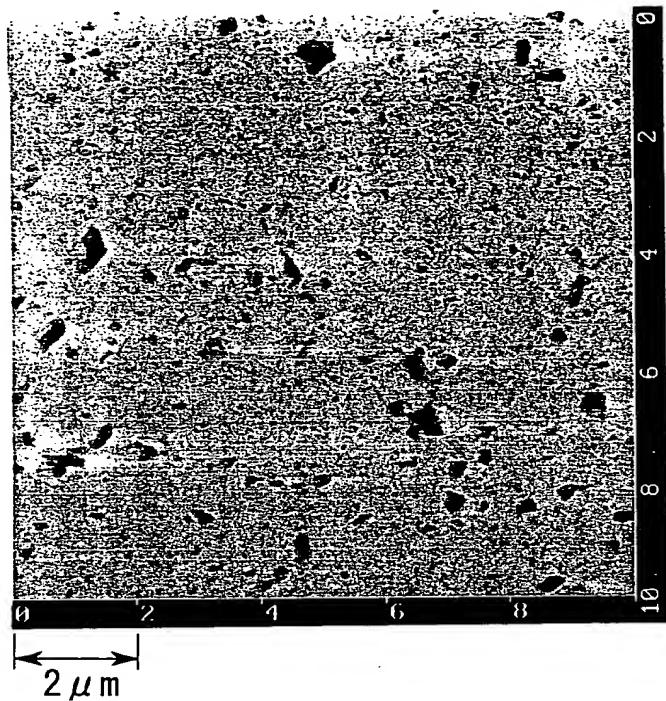


FIG. 16

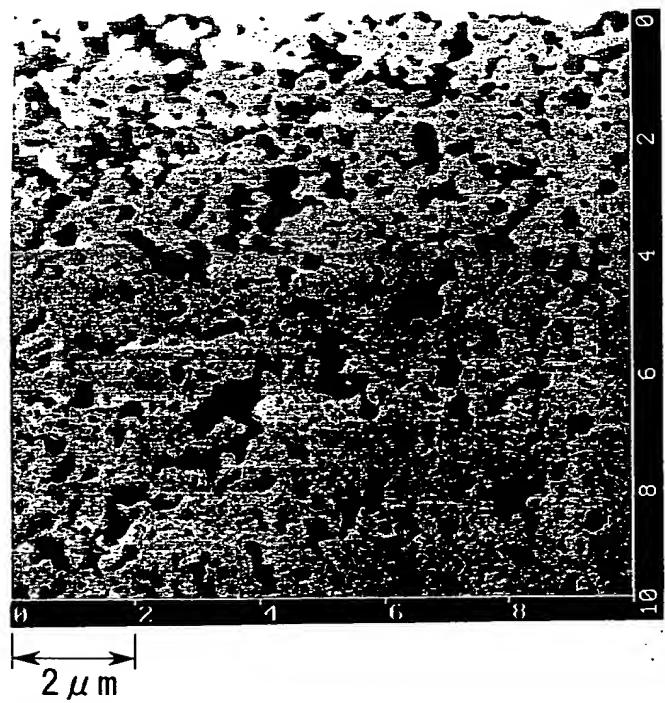




FIG. 12

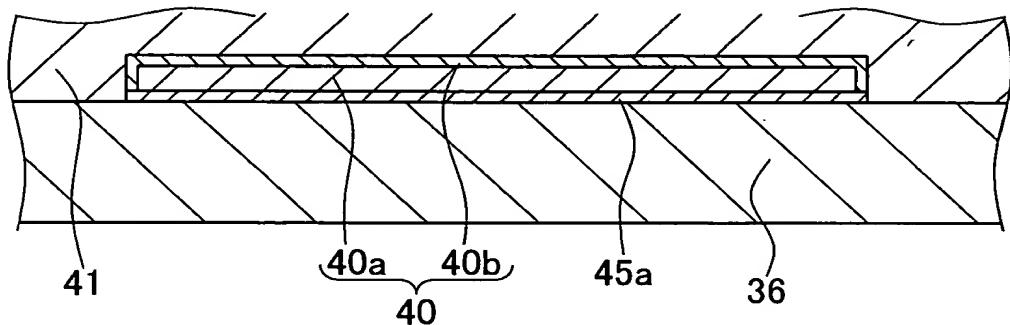
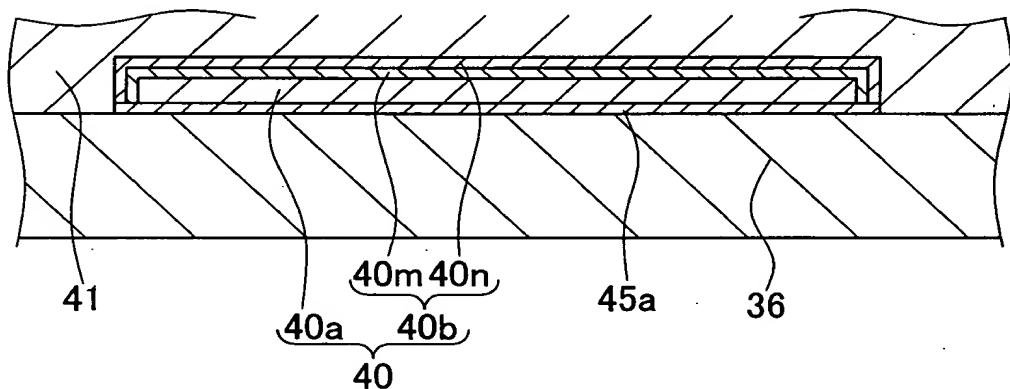


FIG. 13



31b FIG. 14

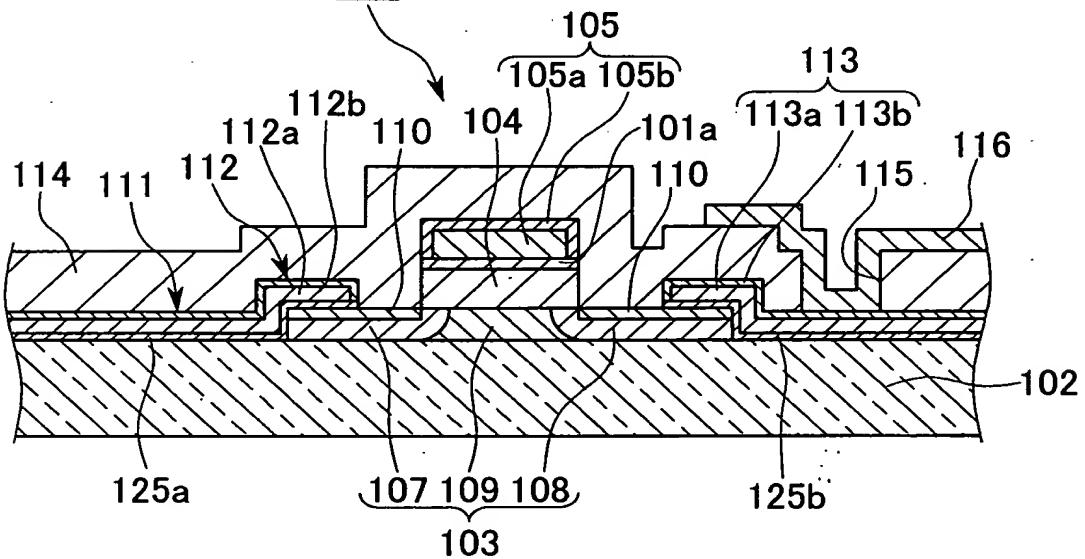




FIG. 11A

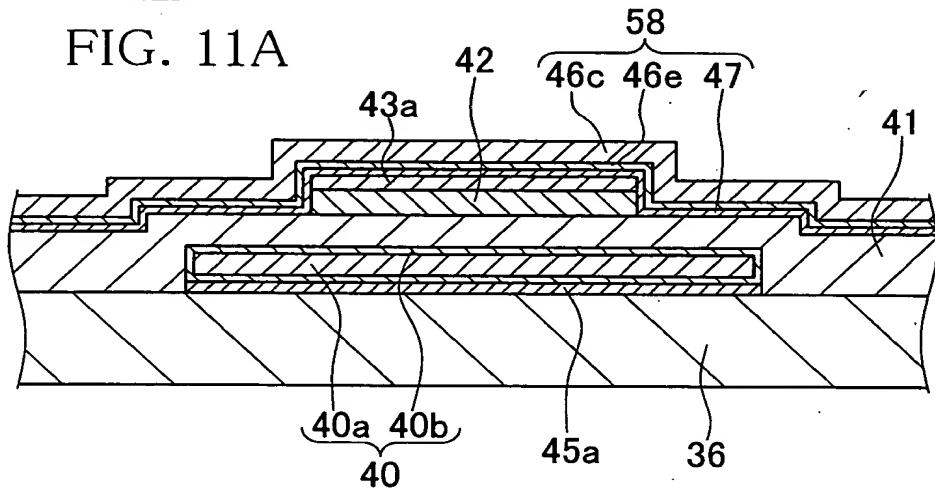


FIG. 11B

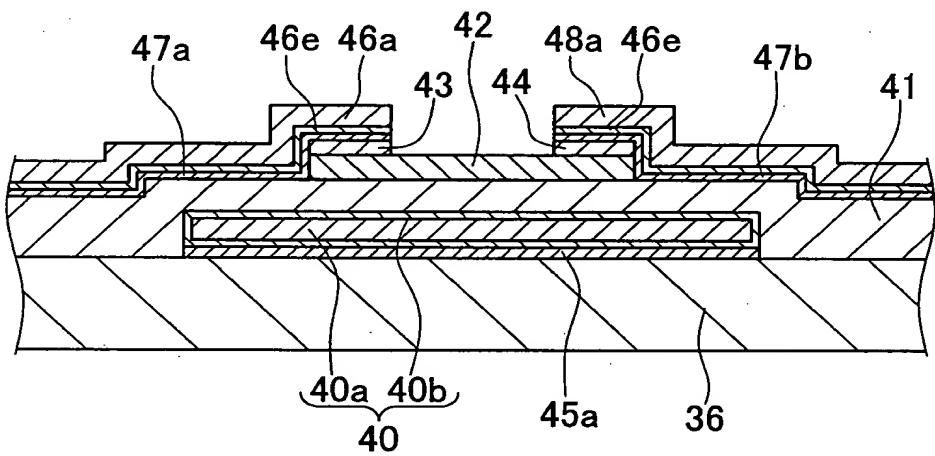


FIG. 11C

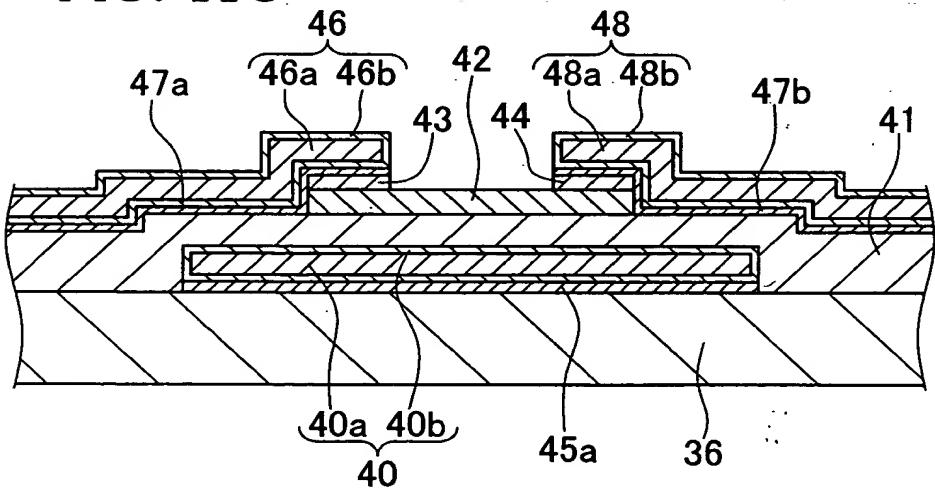




FIG. 10A

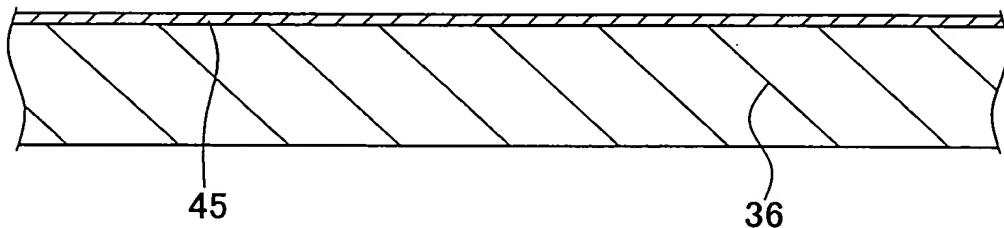


FIG. 10B

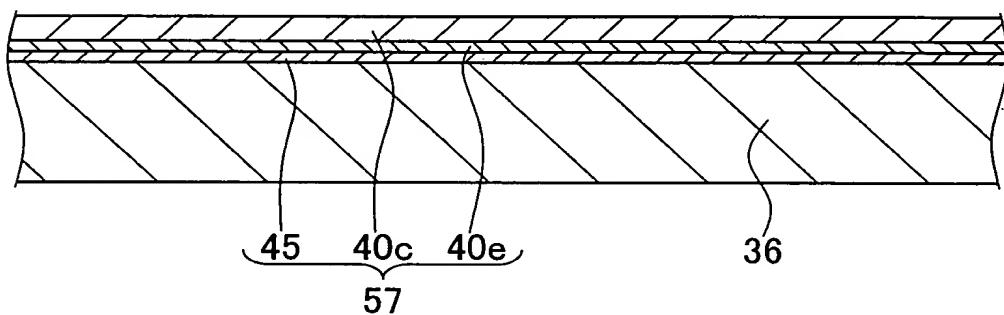


FIG. 10C

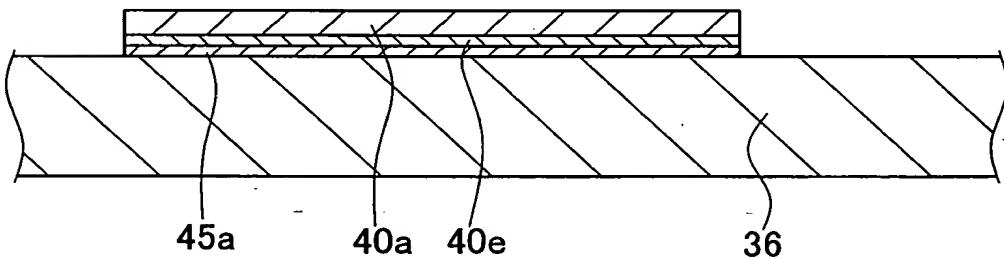


FIG. 10D

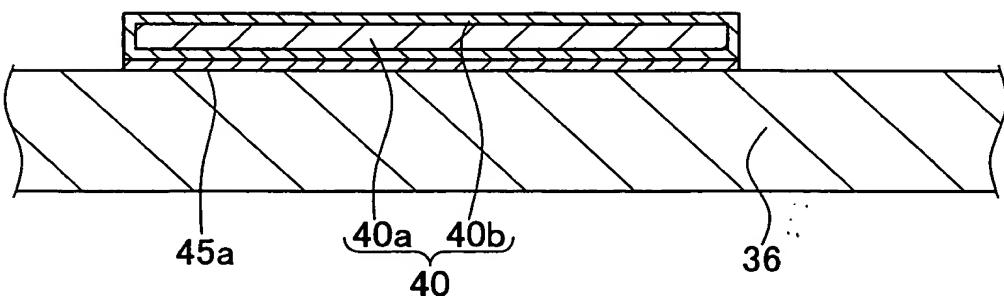




FIG. 9

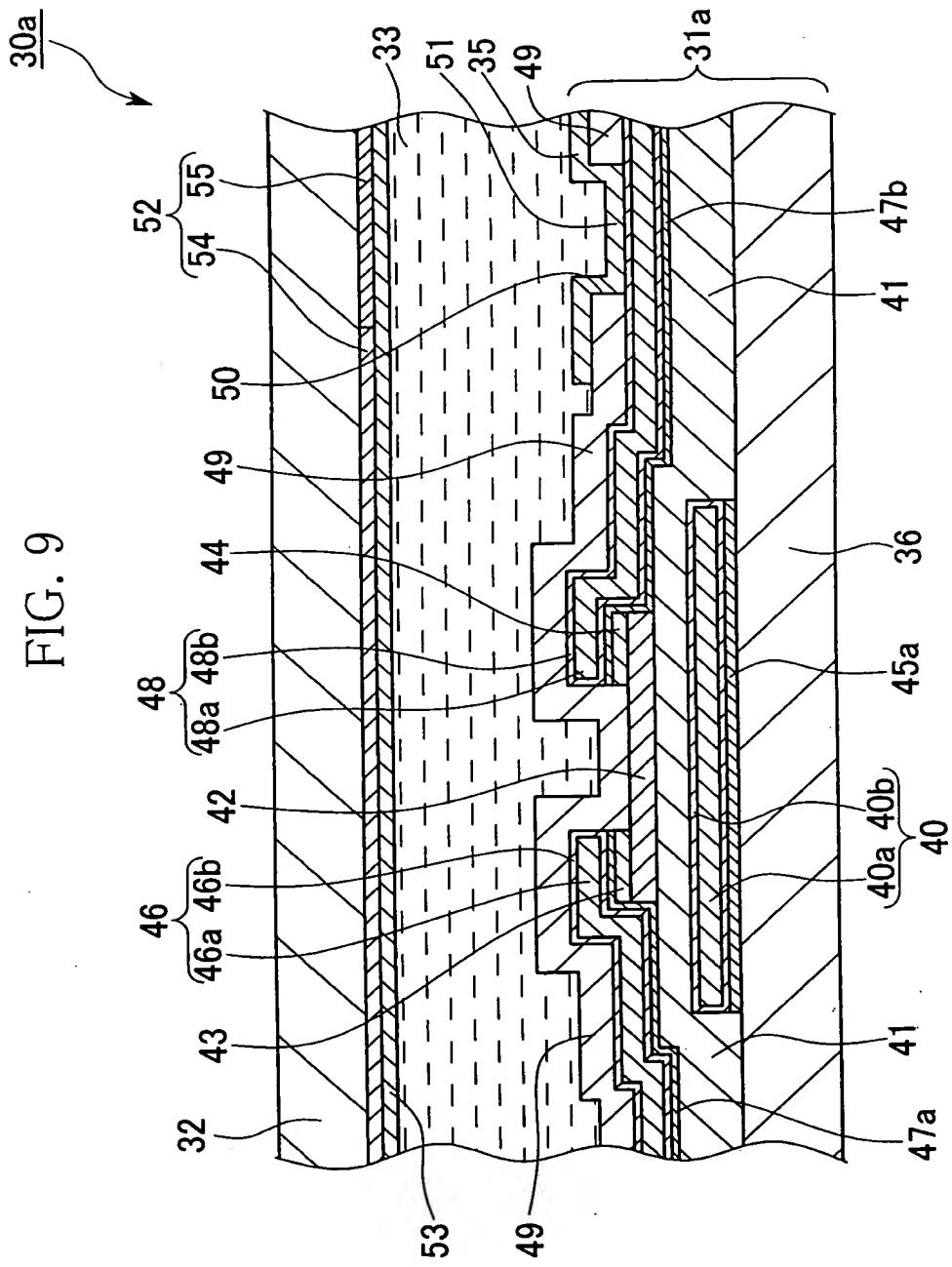




FIG. 8A

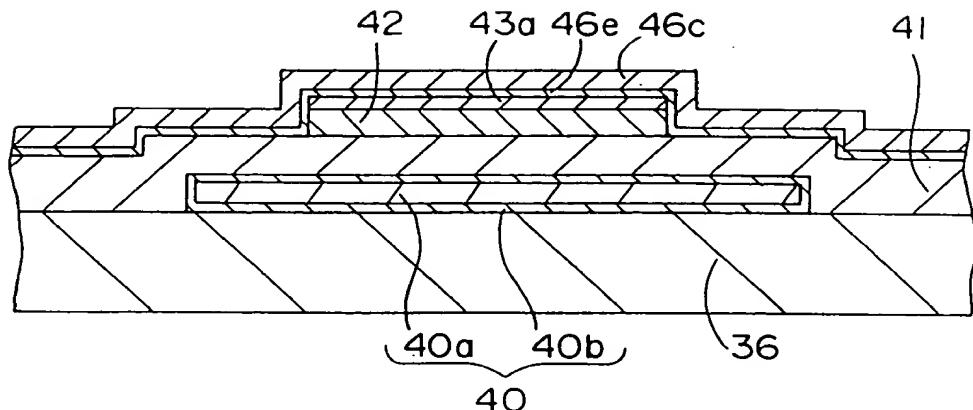


FIG. 8B

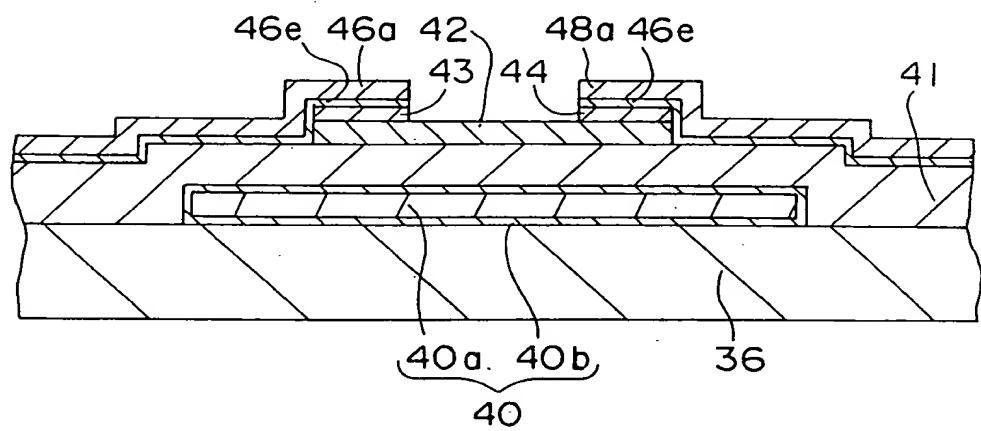


FIG. 8C

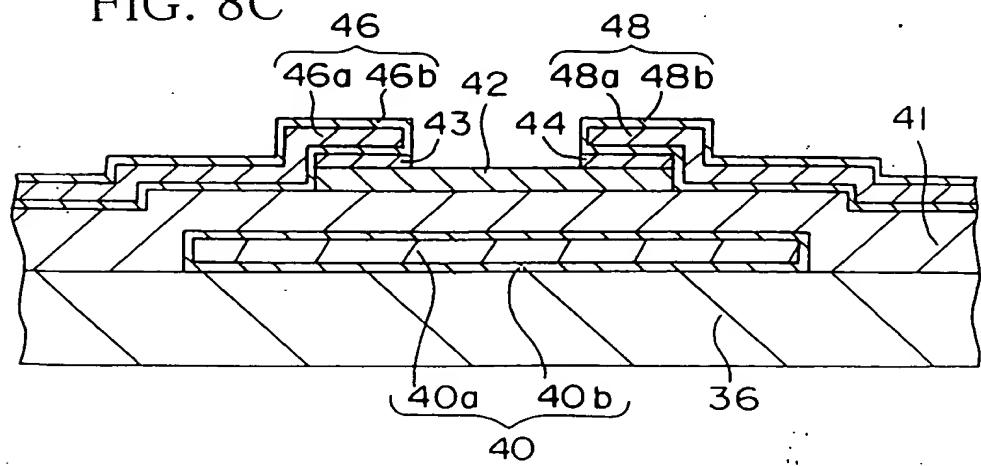




FIG. 7A

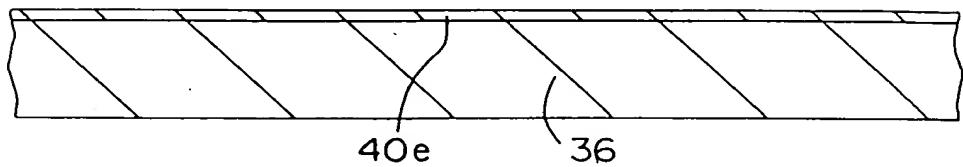


FIG. 7B

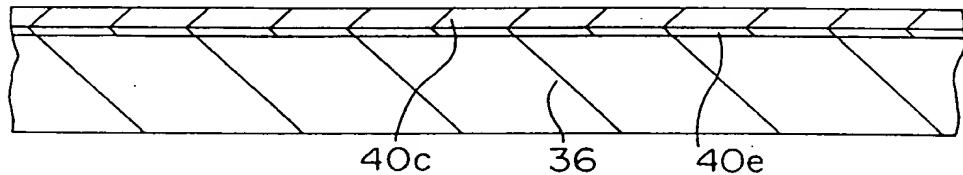


FIG. 7C

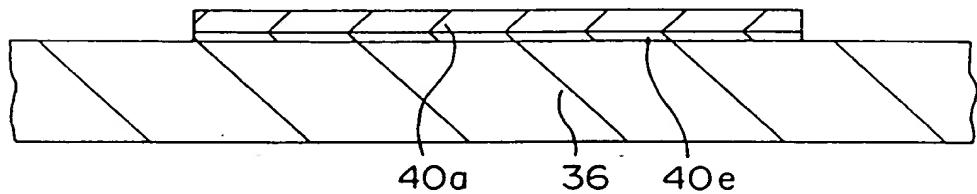


FIG. 7D

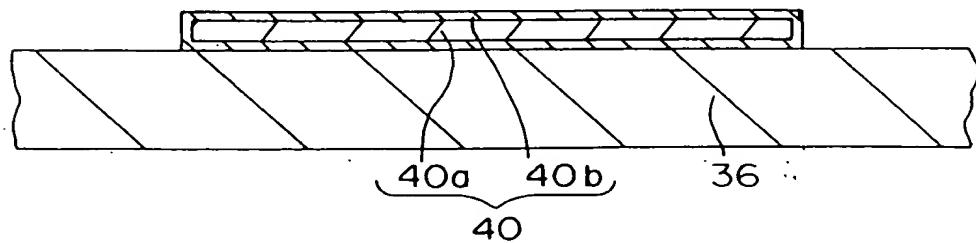




FIG. 5

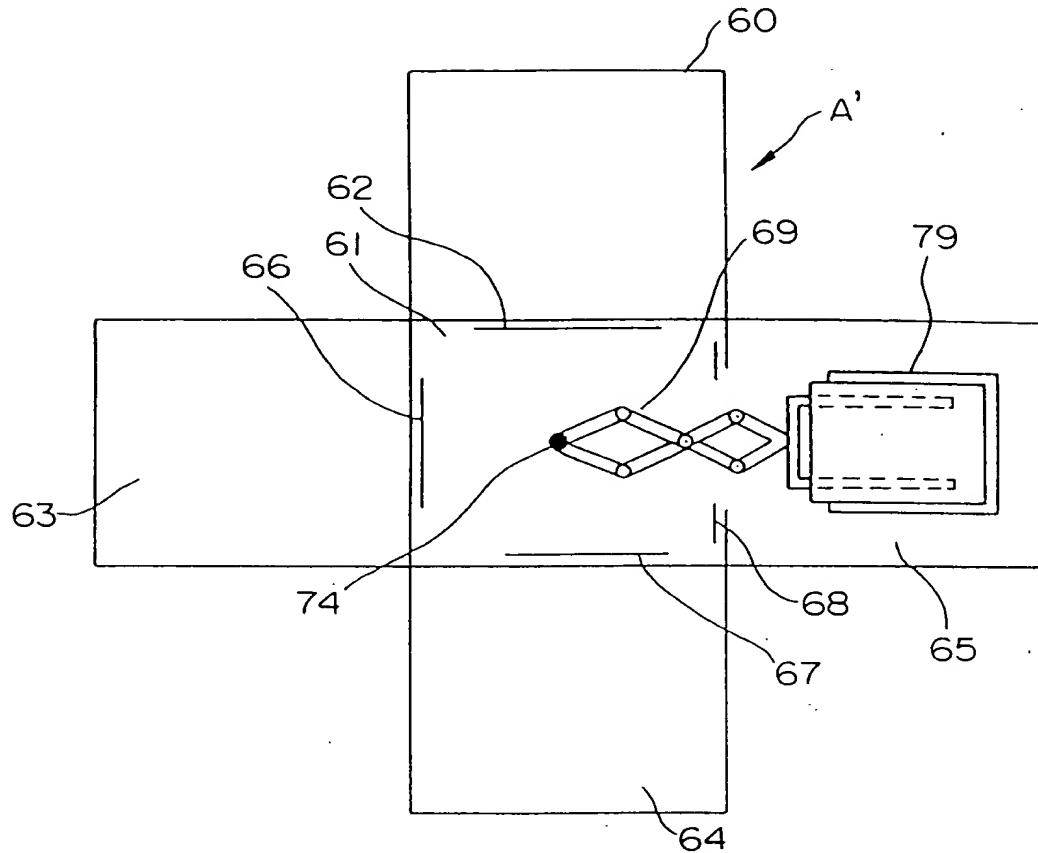


FIG. 6

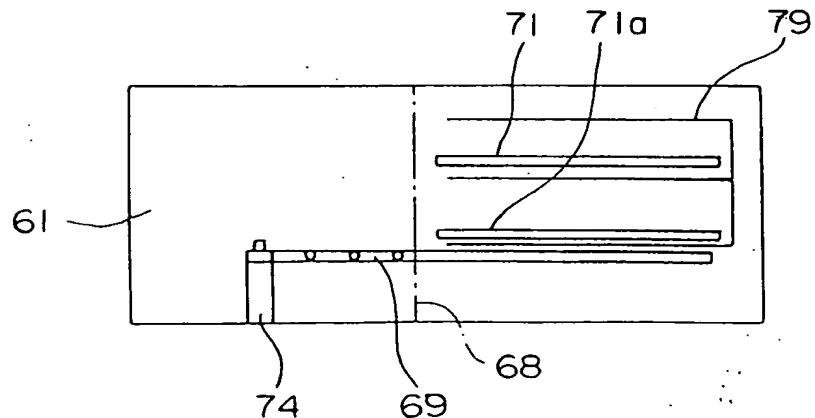




FIG. 4

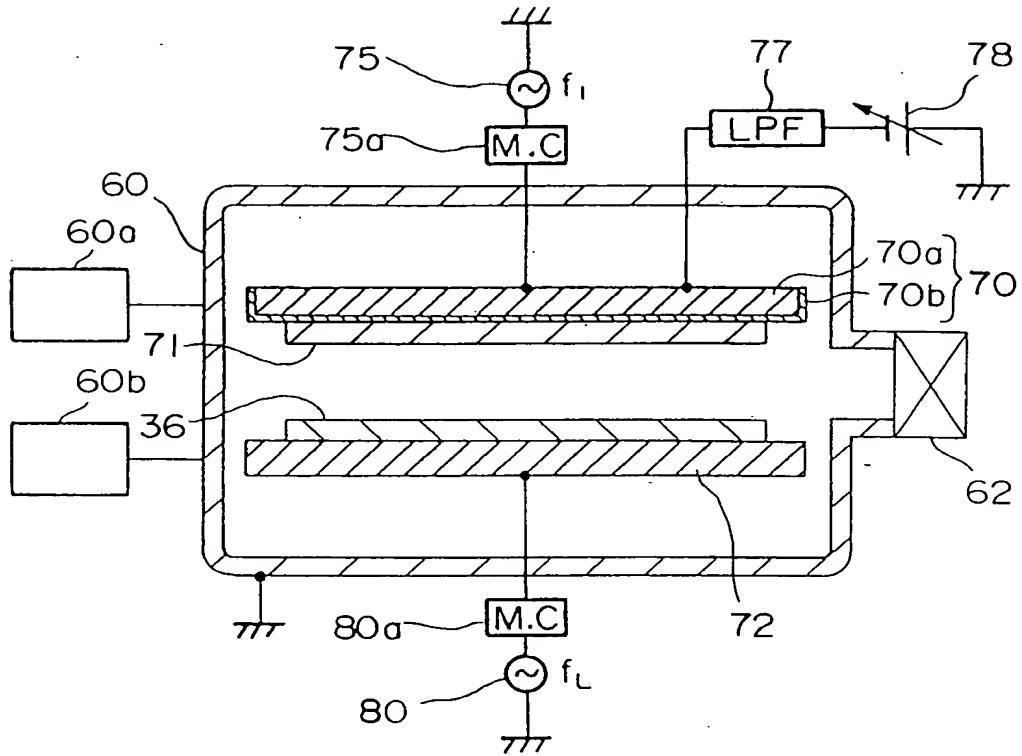




FIG. 2

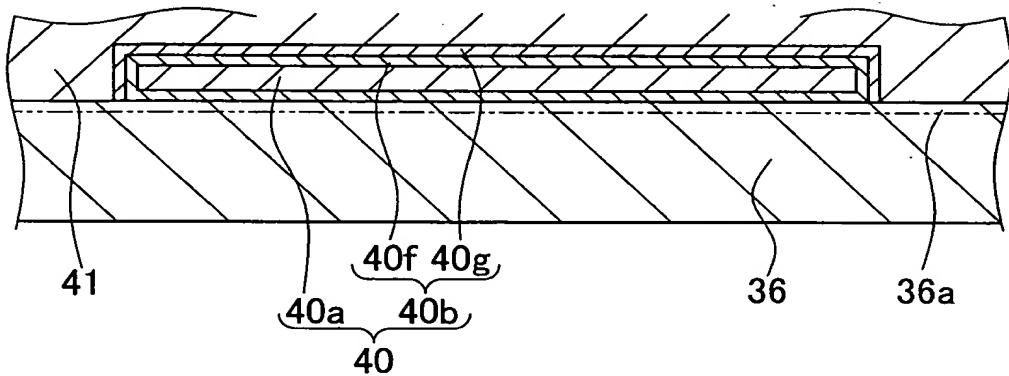


FIG. 3

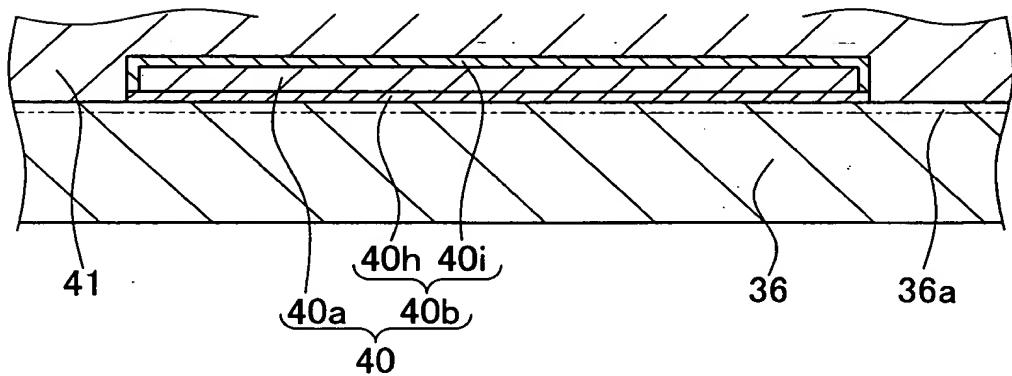




FIG. 1

